

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge NewportBrunswick Entrance ChannelDAILY REPORTDate: 03 / 18 /99 Loads: 284-292Area(s) Worked: Sect III Sta-22+000 to -28 +000 + Cedar Hammock 716+500 to +20 +000Weather Conditions: clear. seas 1-3' winds E to SE 10-15 KtsRange of H₂O Temperature: Surface 57-60°F Below Mid-Depth 57-60°FCondition of all screening apparatus: goodAre there incidents involving endangered or protected species? Yes X No _____

Comments (type of material being dredged, biological specimens, etc.): _____

Load #288 - head, foreflippers + part of carapace of Ce recovered from port inflow box. Size, species, state of decay + dig site all suggest this is part of the decayed Ce recovered in Load #269.Load #289 - Fresh Juvenile Ce rearflippers + 1/2 - 2/3 carapace recovered from STBD inflow + overflow. The fact that most of this turtle was recovered from overflow screening after being seen floating in the hopper suggests that inflow screening needs to be higher or have screening on top to prevent loss of turtle parts.Other biological samples include horseshoe crabs, jellyfish, cow-nose rays, skates, Southern sting ray, sea park, Bryozoans, sea whips, un id'd fish, whelk egg cases + blue crab.Other samples include wood, cloth + plastic debris, a plastic chest, + SpartinaBridge Watch Summary

Species # of Sightings # of Animals Comments

<u>DD</u>	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

Observer(s) On Duty: Kirsten Dahlen + Mary Hart

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Dredge Newport
Brunswick Entrance Channel

WEEKLY SUMMARYDates: 03 / 14 / 99 - 03 / 21 / 99Loads: 251 - 314Range of H₂O Temperature: Surface 57 - 60° F Below Mid-Depth 57 - 60° FArea(s) Worked: -21 to 00 to -31 to 00 and +16 +500 to +20 to 00Are there incidents involving endangered or protected species? Yes X No _____

Comments:

Load #269- very decomposed Caretta caretta in port inflow box. No scutes, paling or skin + strong odor. Rear flippers + 1/3 carapace.

Load #288 very decomposed Caretta caretta head, fore flippers + part of carapace in port inflow box. Size, species, state of decay + dig site all suggest this is the rest of the Ca from load #269.

Load #289 rear flippers + 1/2-2/3 carapace of juvenile Caretta caretta recovered from STBU overflow. Fresh kill. Muscle reflex still evident.

Load #304 90% of sub-adult Caretta caretta recovered from STBU inflow box. Fresh kill.

The fact that the Ca in load #289 was recovered from the STBU overflow screen suggests that inflow screening either needs to be higher or have screening on top to prevent the loss of turtle remains.

Other biological samples include: jellyfish, horse shoe crabs, sea park, spider crabs, sea whips, sponges, blue crabs, un-id'd fish, mantis shrimp + pink shrimp.

Other debris includes wood, plastic, cloth + metal + spartina.

Dredged material is silt, mud + sand with some clay.

Following the Ca take in load #304, dredging has stopped except in the Cedar Hammock Range. (+16 +500 to +20 to 00)

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
TE	3	12	
Scallop	1	200-300	Raft of ducks outside channel
Un id'd turtle	1	1	probably Ca, seen by drag tender

Observers On Duty: Kirsten Dahler, Mary Hart + Jen Gatchie